

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/076001 A3

(51) International Patent Classification⁷: **G01N 33/569**,
A61K 38/03

(21) International Application Number:
PCT/EP2005/001395

(22) International Filing Date: 7 February 2005 (07.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PCT/EP2004/01106
6 February 2004 (06.02.2004) EP

(71) Applicant (for all designated States except US): **INSERM**
(INSTITUT NATIONAL DE LA SANTE ET DE LA
RECHERCHE MEDICALE) [FR/FR]; 101 rue de Tol-
biac, F-75654 Paris Cedex 13 (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VIEILLARD**,
Vincent [FR/FR]; 46 rue St Louis en l'île, F-75004 Paris

(FR). **DEBRE, Patrice** [FR/FR]; 3 rue Jacob, F-75006
Paris (FR).

(74) Agents: **MICHELET, Alain** et al.; Cabinet Harle et Phe-
lip, 7 rue de Madrid, F-75008 Paris (FR).

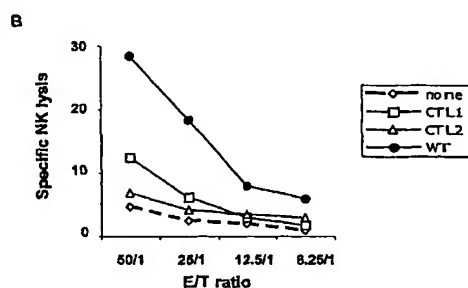
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

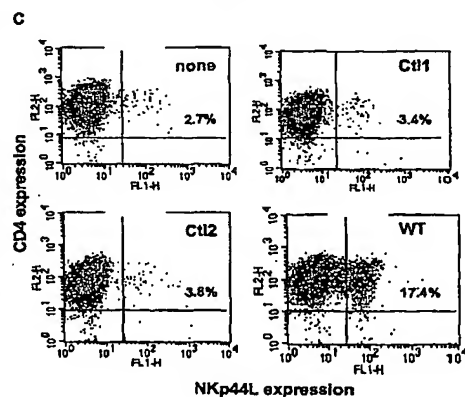
[Continued on next page]

(54) Title: A POLYPEPTIDE DERIVED FROM GP41, A VACCINE COMPOSITION COMPRISING SAID POLYPEPTIDE,
AND USES FOR TREATING AN INFECTION BY AN HIV VIRUS IN AN INDIVIDUAL

A
WT : NH2-PWASNA-SWSNKS-LDDIW-COOH
ctl1 : NH2-PWASNA-TWTQRT-LDDIW-COOH
ctl2 : NH2-PWGTQG-TWTQRT-IEELW-COOH



(57) Abstract: The present invention relates to the field of the in vitro diag-
nosis of the progression status of an infection of an individual with a virus be-
longing to the family of the Human Immunodeficiency Viruses (HIV) as well
as with the therapeutical treatment of this infectious disease. The invention
also relates to immunological compounds and vaccine compositions compris-
ing a polypeptide derived from gp41.



WO 2005/076001 A3



FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
24 November 2005

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.